

BALANCED CLIENT/SERVER MECHANISM IN A TIME-PARTITIONED REAL-TIME OPERATING SYSTEM

Abstract Of The Disclosure

5       A method is provided for transferring CPU budget and CPU control between a client  
thread and a server thread in a client/server pair. A CPU budget is assigned to the client  
thread, and the client thread begins executing at a scheduled time within a first period. CPU  
control and any unused CPU budget is transferred, within the first period, to the server  
thread when the client thread stops executing at which point the server thread begins  
executing, still within the first period. CPU control and any unused CPU budget are  
transferred, within the first period, to the client thread when the server thread stops  
executing.

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CROSS REFERENCE TO RELATED APPLICATIONS  
STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT  
THE GOVERNMENT'S RIGHTS IN THE SOFTWARE  
INDUSTRIAL APPLICABILITY  
BACKGROUND OF THE INVENTION  
SUMMARY OF THE INVENTION  
DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT  
BRIEF DESCRIPTION OF THE DRAWINGS  
REFERENCES CITED